

We claim:

1. A composition comprising Mycobacterium w and/or its constituent(s) as adjuvant and antigen (s) in a pharmaceutically acceptable carrier eliciting enhanced antigen associated immune response.
2. A composition as claimed claim 1 contains other adjuvants.
3. A composition as claimed in claim 1 and 2 are killed Mycobacterium w.
4. A composition as claimed in claims 1 to 3 wherein Mycobacterium w is killed by heat, radiation, preferably by autoclaving.
5. A composition as claimed in claim 1 and 2 wherein constituent(s) of Mycobacterium w is/are obtained by sonication.
6. A composition as claimed in claim 1 and 2 wherein constituent(s) of Mycobacterium w is/are obtained by high pressure cell fractionator.
7. A composition as claimed in claim 1 and 2 wherein constituent(s) of Mycobacterium w is/are obtained by osmotic pressure ingredient.
8. A composition as claimed in claim 1 and 2 wherein constituent(s) of Mycobacterium w is/are obtained from Mycobacterium w by extraction.
9. A composition as claimed in claim 1 and 2 wherein constituent(s) of Mycobacterium w is/are extracted from Mycobacterium w by organic solvents.
10. A composition as claimed in claim 1,2,8,9 wherein constituent(s) of Mycobacterium w is/are extracted using solvents selected from chloroform, ethanol, methanol, acetone, phenol, isopropyl alcohol, acetic acid, urea, hexane etc.
11. A composition as claimed in claim 1 and 2 wherein constituent(s) of Mycobacterium w is/are obtained by enzymatic treatment.
12. A composition as claimed in claim 1,2 and 11 wherein constituent(s) of Mycobacterium w is/are obtained by use of enzyme lyticase and/or pronase
13. A composition as claimed in claim 1 to 12 wherein constituent(s) of Mycobacterium w is/are preferably water insoluble.
14. A composition as claimed in claim 1 to 13 wherein Mycobacterium w is a non-pathogenic, fast growing, cultiyable, atypical Mycobacterium, with biochemical properties and growth characteristics resembling those belonging to Runyons group IV class of Mycobacteria.
15. A composition as claimed in claim 1 to 14 wherein Mycobacterium w is urease negative, does not hydrolyse tween 80, does not produce niacin, provides positive response to nitrate reduction test.
16. A composition as claimed in claim 1 to 15 wherein the Mycobacterium w and/or constituents are mixed, formulated, conjugated, primed, fused and/or linked with antigen.

17. A composition as claimed in claim 1 to 16 wherein the antigen(s) is selected from peptides, polypeptides, cells, cell extracts, polysaccharides, polysaccharide conjugates, lipids, glycolipids, carbohydrates, proteins, viruses, viral extracts, and antigen encoded in nucleic acids.
18. A composition as claimed in claim 1 to 16 wherein the antigen(s) is derived from infectious agent selected from virus, bacterium, fungus and parasites.
19. A composition as claimed in claim 1 to 16 wherein antigen(s) is a tumor associated antigen.
20. A composition as claimed in claim 1 to 16 wherein antigen is a tumor specific antigen.
21. A composition as claimed in claim 1 to 16 wherein antigen(s) is an allergen.
22. A composition as claimed in above claims, when administered to a mammal induces or enhances immunogenicity of antigen(s).
23. A composition as claimed in above claims, prevents diseases in mammal by inducing or enhancing immunogenicity of antigen(s).
24. A composition as claimed in above claims when administered to a diseased mammals induces or enhances immunogenicity of antigen (s) resulting in decreased morbidity & mortality associated with disease.
25. A composition as claimed in above claims when combined with other therapies to a diseased mammal induces or enhances immunogenicity of an antigen (s) resulting in decreased morbidity and mortality associated with diseases by inducing or enhancing immunogenicity of an antigen(s).
26. A composition as claimed in claim 1 to 21 is useful in inducing faster immune response.
27. A composition as claimed in claim 1 to 21 is useful in inducing stronger immune response.
28. A composition as claimed in claim 1 to 21 is useful in inducing longer lasting immune response.
29. Mycobacterium w & / or its constituent are adjuvant to antigen (s).